

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the above-identified application:

Listing of Claims

1-2. (Canceled).

3. (Currently Amended) ~~The illumination apparatus according to claim 1, An~~
illumination apparatus comprising:
a light source; and
a condensing unit that condenses light emitted from the light source toward the optical
axis;

wherein the condensing unit includes
a negative lens portion that is arranged on a front side of the apparatus and has negative
refractive power, a positive lens portion that is arranged near the optical axis and has positive
refractive power, and a reflection portion that reflects emitted light that is not directed to the
positive lens portion toward the optical axis,

wherein negative lens portion is shaped such that its length in the vertical direction of the apparatus is smaller than a maximum length of the condensing unit in the vertical direction of the apparatus.

4. (Currently Amended) ~~The illumination apparatus according to claim 3, An~~
illumination apparatus comprising:
a light source; and

a condensing unit that condenses light emitted from the light source toward the optical axis;

wherein the condensing unit includes
a negative lens portion that is arranged on a front side of the apparatus and has negative refractive power, a positive lens portion that is arranged near the optical axis and has positive refractive power, and a reflection portion that reflects emitted light that is not directed to the positive lens portion toward the optical axis.

wherein negative lens portion is shaped such that its length in the vertical direction of the apparatus is smaller than a maximum length of the condensing unit in the vertical direction of the apparatus.

wherein the negative lens portion and the condensing unit are formed such that the following expression is satisfied:

$$0.4 \leq D/A \leq 0.8$$

wherein D is the maximum length of negative lens portion in the vertical direction of the apparatus, and

A is the maximum length of the condensing unit in the vertical direction of the apparatus.

5. (Currently Amended) ~~The illumination apparatus according to claim 1, An~~
illumination apparatus comprising:

a light source; and

a condensing unit that condenses light emitted from the light source toward the optical axis;

wherein the condensing unit includes
a negative lens portion that is arranged on a front side of the apparatus and has negative
refractive power, a positive lens portion that is arranged near the optical axis and has positive
refractive power, and a reflection portion that reflects emitted light that is not directed to the
positive lens portion toward the optical axis,

wherein the negative lens portion and the condensing unit are formed such that the following expression is satisfied:

$$0.1 \leq L/B \leq 0.5$$

wherein L is the distance in optical axis direction between a maximum aperture position of the negative lens and a maximum aperture position of the condensing lens, and

B is the distance in optical axis direction between a maximum aperture position of the condensing unit and the light source center.

6-13. (canceled).